

MIDDLESEX COUNTY

REFERENCE TIDE GAUGE - SANDY HOOK

The Sandy Hook tide gauge is located on the bay side of Sandy Hook.

Raritan Bay

The Sandy Hook gauge is fairly representative of the tides along the Raritan Bay shoreline in Middlesex County. The high and low tides occur within about 15 minutes of those at Sandy Hook.

Raritan River

The Raritan River is tidal below New Brunswick. The high tides at New Brunswick occur about ½ hour later than those at Sandy Hook. Low tides are about 45 minutes later.

Arthur Kill

The high and low tides along the Arthur Kill in Middlesex County are up to about ½ hour later than those at Sandy Hook.

Middlesex County

In the upper part of the minor range:

Flooding occurs along NJ Route 35 in Laurence Harbor.

In the moderate range:

Flooding begins along Woodbridge Creek in Woodbridge Township.

Flooding begins in Perth Amboy.

Flooding occurs along Rosewell Street in South Amboy.

Flooding occurs at the Victory Plaza Circle in Sayreville (US Route 9 and NJ Route 35).

Flooding occurs along the South River and in Old Bridge Township.

Data Acquisition

In order to access data from the Sandy Hook gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/>.

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The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service. They may vary slightly from figures found in other National Weather Service publications.

THE PERIOD OF RECORD FOR THE SANDY HOOK GAUGE BEGINS IN JANUARY 1910. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

- 14.4 FT — October 29, 2012 (Post Tropical Cyclone Sandy). This is an estimated value. The tide gauge failed about an hour before the actual high water level occurred.
- 10.1 FT — September 12, 1960 (Hurricane Donna) / December 11, 1992.
- 9.8 FT — August 28, 2011 (Hurricane Irene).
- 9.7 FT — November 7, 1953.
- 9.4 FT — September 14, 1944 (Hurricane) / March 6, 1962.
- 9.0 FT — November 25, 1950.
- 8.9 FT — January 23, 1966.
- 8.8 FT — November 12, 1968.
- 8.7 FT — MAJOR TIDAL FLOODING BEGINS.**
March 29, 1984 / March 13, 1993.
- 8.6 FT — September 27, 1985 (Hurricane Gloria) / January 2, 1987 / October 31, 1991.
- 8.5 FT — April 13, 1961.
- 8.3 FT — February 19, 1972 / March 19, 1996 / March 13, 2010.
- 8.2 FT — October 18, 2009.
- 8.1 FT — January 31, 2006 / April 16, 2007.
- 8.0 FT — October 14, 1955 / December 26, 1969 / December 2, 1974 / April 16, 2011 / June 4, 2012.
- 7.9 FT — August 31, 1954 (Hurricane Carol) / December 22, 1972 / October 25, 1980 / February 24, 1998 / December 25, 2002 / November 14, 2009.
- 7.8 FT — October 14, 1977 / November 8, 1977 / March 3, 1994 / December 20, 1995 / January 29, 1998 / March 30, 2010.
- 7.7 FT — MODERATE TIDAL FLOODING BEGINS.**
March 20, 1958 / October 22, 1961 / November 10, 1962 / December 25, 1978 / December 3, 1986 / January 4, 1994 / December 13, 1996 / November 14, 1997 / January 3, 2003 / January 3, 2006 / February 12, 2006 / October 7, 2006 / May 12, 2008 / December 12, 2008 / May 17, 2011 / December 27, 2012.
- 6.7 FT — MINOR TIDAL FLOODING BEGINS.**
- 1.8 FT — BLOWOUT TIDE.**
- 2.8 FT — March 26, 1947 / February 16, 1953 / March 5, 1954 / November 30, 1958 / December 1, 1963 / January 31, 1991 / December 12, 2000.
- 2.9 FT — November 16, 1933 / November 9, 1939 / February 8, 1943 / December 30, 1947 / February 22, 1959 / January 8, 1968 / February 4, 1969 / October 26, 1980 / January 12, 1982 / February 8, 1985 / March 8, 1986 / March 14, 1993 / March 9, 2008.
- 3.0 FT — March 7, 1939 / February 26, 1956 / January 28, 1963 / January 27, 1971 / December 17, 1972 / March 4, 1996.

- 3.1 FT — February 10, 1933 / December 20, 1934 / January 25, 1939 / March 3, 1950.
- 3.2 FT — December 26, 1966 / March 9, 2005.
- 3.3 FT — February 14, 1942 / December 3, 1942 / January 24, 1945 / February 15, 1946 / November 30, 1955 / February 25, 1967 / March 17, 1976 / March 16, 1980.
- 3.4 FT — January 31, 1966 / January 2, 1969 / December 22, 1976 / December 10, 1977.
- 3.5 FT — December 8, 1939 / March 19, 1941 / February 8, 1951 / March 28, 1955.
- 3.6 FT — March 24, 1940 / December 11, 1943 / December 1, 1944.
- 3.7 FT — February 10, 1947.
- 3.8 FT — March 11, 1933.
- 4.1 FT — January 6, 1959.
- 4.2 FT — January 24, 1936.
- 4.3 FT — December 31, 1962.
- 4.4 FT — January 10, 1978.
- 4.7 FT — February 2, 1976.